

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD-HOBBS

FORM APPROVED
OMB No. 1004-0137
Expires: March 31, 2007

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE- Other instructions on reverse side.

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		7. If Unit or CA/Agreement, Name and/or No. Cooper Jal Unit- NM 070926X
2. Name of Operator Resaca Operating Company		8. Well Name and No. Cooper Jal Unit #405
3a. Address 1331 Lamar, Suite 1450 Houston, TX 77010	3b. Phone No. (include area code) 432-580-8500	9. API Well No. 30-025-32269
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 1055' FSL & 1385' FWL Sec. 19, T24S, R37E		10. Field and Pool, or Exploratory Area Jalmat; T-Y-7R/Langlie Mattix; 7R-Q-G
		11. County or Parish, State Lea, NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other Clean Out and
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Stimulate Perfs w/
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	Foam Frac

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

- 1.) MIRU Pulling Unit and Above Ground Steel Pit; NU BOP; POOH w/ rods and tubing.
- 2.) RIH w/ 4 3/4" Bit and drill collars on 2 7/8" work string.
- 3.) Clean out to 3750' TD.
- 4.) RU Service Company & prep to fracture stimulate well down work string.
- 5.) Foam Sand Frac Perfs 2988'-3632' w/ approximately 105,000# 16/30 Brady Brown Sand & 105,000# 16/30 resin coated Brady Brown Sand; plus 1.71 MMCF Nitrogen diverting with 130 Bio Ball Sealers.
- 6.) RD Service Company. Install adjustable choke manifold w/ pressure gauge. Flow back well & clean up well, monitoring pressure and sand production until pressure depletes.
- 7.) POOH w/ 2 7/8" work string and lay down packer; clean out frac sand down to 3750' TD.
- 8.) RIH w/ 2 7/8" tubing. RIH w/ pump and rods.
- 9.) RDMO Pulling Unit, clean location, clean and dispose of pit fluids.

14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

Melanie Reyes

Title Engineer Assistant

Signature

Date

03/03/2011

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Title SEPS	Date 3-13-11
	Office CCO	

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

MAR 21 2011

PETROLEUM ENGINEER

WELLBORE SCHEMATIC AND HISTORY

CURRENT COMPLETION SCHEMATIC

LEASE NAME

Cooper Jal Unit

WELL NO.

405

STATUS:

Active

Oil

API#

30-025-32269

LOCATION:

1055 FSL & 1385 FWL, Sec 19, T. - 24S, R. - 37E, Lee County, New Mexico

SPUD DATE:

10/22/93 TD

3750

KB

3,289'

DF

INT. COMP. DATE:

01/07/94 PBTD

3730

GL

3,279'

ELECTRIC LOGS:

GR-DLL-MSFL (10-27-93 Halliburton)

GR-SDL-DSN-CSNG (10-27-93 Halliburton)

GEOLOGICAL DATA

CORES, DST'S, or MUD LOGS:

GR-FWS (10-27-93 Halliburton)

GR-CCL (1-1-94 Halliburton)

HYDROCARBON BEARING ZONE DEPTH TOPS:

Yates @ 2985'

7-Rivers @ 3210'

Queen @ 3542'

CASING PROFILE

SURF. 8 5/8" - 24#, WC-50, ST&C set@ 1140'. Cmt'd w/400 sxs - circ cmt to surface.

PROD. 5 1/2" - 15.5#, WC-50, LT&C set@ 3750'. Cmt'd w/925 sxs - circ cmt to surface.

LINER. None

CURRENT PERFORATION DATA

CSG. PERFS:

1-Jan-94 Perf'd Jalmat f/ 2988'-95', 3004'-15', 3027'-35', 3040'-54', 3064'-68', 3077'-81', 3098'-3104', 3111'-19', 3122'-28',

3133'-37', 3152'-55', 3157'-59', 3184'-91', 3198'-3207', 3259'-73', w/ 2 spf (216 holes total).

1-Jan-94 Perf'd Langlie Mattix f/ 3376'-79', 3390'-93', 3420'-23', 3442'-51', 3459'-72', 3547'-51', 3566'-68', 3585'-89',

3612'-17', 3620'-22', 3625'-27', 3630'-32' w/ 2 spf (104 holes total)

OPEN HOLE:

TUBING DETAIL

3/25/10

ROD DETAIL

3/25/10

Length (ft)

Detail

Length (ft)

Detail

0 KB

22

2915

3

675

32

1

4

31

3661 btm

2 7/8" 6.5#, J-55, 8rd EUE tbg.

5 1/2" x 2 7/8" TAC

2 7/8" 6.5#, J-55, 8rd EUE tbg.

2 7/8" x 3 1/2" SM Blast Joint

2 7/8" SN

2 7/8" Perf'd sub

2 7/8" - 3 1/2" Mud Anchor

0

1

6

38

49

36

20

1

0

3623

26" x 1 1/2" polish rod w/ 7/8" pin

1 1/2" x 14' liner

6' - 7/8" pony rod

1" steel rods

7/8" steel rods

3/4" steel rods

1 1/2" sinker bars

2 1/2" x 1 3/4" X 20' RWBC rod pump

1 1/2" x 8' gas anchor

btm

WELL HISTORY SUMMARY

1-Jan-94

IC: Perf'd Langlie Mattix f/ 3376'-79', 3390'-93', 3420'-23', 42'-51', 3459'-72', 3547'-51', 66'-68', 3585'-89', 3612'-17', 3620'-22', 3625'-27', 3630'-32' w/2 spf (104 holes total) Frac'd w/40,000 gals XLG 2% KCL carrying 136,000# 16/30 brady sand. Pump tst 24 hours - 1 bo, 34 blw, & 7 Mcfg. Perf'd Jalmat f/ 2988'-95', 3004'-15', 27'-35', 3040'-54', 3064'-68', 3077'-81', 3098'-3104', 3111'-19', 3122'-28', 3133'-37', 3152'-55', 3157'-59', 3184'-91', 3198'-3207', 3259'-73', w/ 2 spf (216 holes total). Frac'd w/43,000 gals XLG 2% KCL carrying 200,000#'s 12/20 sand. Pump test 24 hours - 18 bo, 63 blw, & 70 Mcfg. Commingled all perfs: IP= 17 bopd, 44 bwpd & 21 Mcfgpd.

4-Mar-94

Change out rod pump. Tst tbg to 500 psi. Good tst.

30-Mar-94

Change out 7 - 3/4" rod boxes on K-bars. Tst tbg to 500 psi. Good tst.

17-Oct-97

Repair rod part. Change out 20 - 3/4" rod boxes and ran new pump.

9-Aug-99

Tag btm - No fill. Redress rod pump. Tst tbg. Good tst.

20-Mar-01

Acid'd perfs w/4,500 gals 15% NEFE HCL using Sonic Hammer tool. AIR=4.4 bpm @ 270 psi. PWOP.

09-Jan-02

Changed out rod pump. Flush casing w/ 45 bbls of soapy water. Returned to production.

02-Jun-04

POOH with rods, pump, and tubing after tagging at 3702'. Hydrotest tubing in hole to 7000# - busted a hole on joint above SN. RIH with pump and rods. PWOP.

10-Jun-05

POOH with rods, pump, and tubing. Replaced TAC. RIH pump and rods. Load and test tubing to 500#. PWOP.

15-Aug-06

POOH with rods, pump and tubing - found holes on jt above SN and top jt. Laid down 5 jts. due to pitting. RIH with tubing, pun and rods. Load and test pump to 500# - okay. PWOP.

22-Jan-07

POOH with rods, pump and tubing. Hydro-test tubing in hole to 7000# - found hole on 110 jt. Laid 2 joint due to pitting.

RIH with pump and rods. Replaced 45 - 3/4" boxes due to wear. PWOP.

23-Mar-10

POOH rods, pump and tubing. Hydrotest tubing in hole. RIH with pump and rods. PWOP.

Yates @ 2985'

2988'-95'

3004'-15'

3027'-35'

3040'-54'

3064'-68'

3077'-81'

3098'-3104'

3111'-19'

3122'-28'

3133'-37'

3152'-55'

3157'-59'

3184'-91'

3198'-3207'

3259'-73'

3111 - 3207'

7-R @ 3210'

3259'-73'

3376'-93'

3420'-72'

Queen @ 3542'

3547'-3632'

Top of Fill @

3702'

Surface Csg

Hole Size: 12 1/4 in

Csg. Size: 8 5/8 in

Set @: 1140 ft

Sxs Cmt: 400

Circ: Yes

TOC @: surf

TOC by: circ

Production Csg

Hole Size: 7 7/8 in

Csg. Size: 5 1/2 in

Set @: 3750 ft

Sxs Cmt: 925

Circ: Yes

TOC @: surface

TOC by: circ

PBTD: 3730 ft

TD: 3750 ft

PREPARED BY:

Larry S. Adams

Domingo Carrizales

UPDATED:

01-Apr-10